

**SYSTEM AND METHOD FOR RENDERING DIGITAL IMAGES  
HAVING SURFACE REFLECTANCE PROPERTIES**

**ABSTRACT OF THE DISCLOSURE**

According to one embodiment of the present invention, a method for rendering a digital image having surface reflectance properties is disclosed. The method comprises creating a parametric texture map that comprises parameters for an equation that defines a surface structure in a manner in which the appearance of the surface structure includes surface reflectance properties. The method further comprises rendering a digital image using the parametric texture map.

5